

Docket Number: 0942.4630001/RWE/BJD

As a below named inventor, I hereby declare that:

My residence, mailing address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter that is claimed and for which a patent is sought on the invention entitled Metal Binding Compounds and Their Use in Cell Culture Medium Compositions, the specification of which is attached hereto unless the following box is checked:

Ø	was filed on <u>August 28,</u> as United States Applica was amended on	2000; tion Number or PCT Internation (if applicable)	al Application Number <u>09/650,339;</u> a	and
I hereby amende	y state that I have reviewed d by any amendment refer	l and understand the contents of red to above.	the above identified specification, in	cluding the claims, as
I ackno	wledge the duty to disclos	e information that is material to	patentability as defined in 37 C.F.R.	§ 1.56.
invento	or's certificate, or § 365(a)  States listed below, and ha	of any PCT international applicative also identified below any for	(d) or § 365(b) of any foreign application, which designated at least one creign application for patent or inventor plication on which priority is claimed	or's certificate, or PCT
Prior F	oreign Application(s)			Priority Claimed
				□ Yes □ No
(Applie	cation No.)	(Country)	(Day/Month/Year Filed)	
7.	cation No.)	(Country)	(Day/Month/Year Filed)	□ Yes □ No
• ••			d States provisional application(s) list	ted below.
60/151	.055	August 27, 1999		
	cation No.)	(Filing Date)		
(Appli	cation No.)	(Filing Date)		
interna this ap paragr C.F.R	ational application designated in the polication is not disclosed in the control of the control	ting the United States, listed below the prior United States or PCT perhaps ledge the duty to disclose	States application(s), or under § 365(c) ow and, insofar as the subject matter international application in the manue information that is material to paten application and the national or	ner provided by the first stability as defined in 37
(Appl	ication No.)	(Filing Date)	(Status - patented, p	ending, abandoned)
(crbbr	ioution i voi,	` <b>,</b> ,		
(Appl	ication No.)	(Filing Date)	(Status - patented, p	ending, abandoned)

LTI Ref: 214.1 Docket Number: 0942.4630001/RWE/BJD

Send Correspondence to:

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C. 1100 New York Avenue, N.W. Suite 600 Washington, D.C. 20005-3934

Direct Telephone Calls to:

(202) 371-2600

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor	David A. EPSTEIN	
Signature of sole or first inventor	Davida. Epotein	January 23, 200 Date
Residence	East Amherst, NY	
Citizenship	USA	
Mailing Address	7 Shady Grove Drive	
	East Amherst, NY 14051	
Full name of second inventor	Paul J. BATTISTA	·
Signature of second inventor		Date
Residence	Eggertsville, NY	
Citizenship	USA	
Mailing Address	55 Endicott Drive	
	Eggentsville, NY 14226	
Full name of third inventor	Dale F. GRUBER	
Signature of third inventor		Date
Residence	Grand Island, NY	
Citizenship	USA	
Mailing Address	3175 Staley Road	
	Grand Island, NY 14072	

LTI Ref: 214.1

Docket Number: 0942.4630001/RWE/BJD

Full name of fourth inventor	David A. Judd	
Signature of fourth inventor		
Residence	Williamsville, NY	
Citizenship	USA	
Mailing Address	148 Ferndale Road	
	Williamsville, NY 14221	-
Full name of fifth inventor	Williamsville, NY 14221	
Full name of fifth inventor  Signature of fifth inventor	Williamsville, NY 14221	
	Williamsville, NY 14221	
Signature of fifth inventor	Williamsville, NY 14221	

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(Supply similar information and signature for subsequent joint inventors, if any)

Declaration for Patent Application

LTI Ref: 214.1 Docket Number: 0942.4630001/RWE/BJD

As a below named inventor, I hereby declare that:

My residence, mailing address and citizenship are as stated below 465 to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter that is claimed and for which a patent is sought on the invention entitled Metal Binding Compounds and Their Use in Cell Culture Medium Compositions, the specification of which is attached hereto unless the following box is checked:

Ø	was amended on	Number or PCT Internations (if applicable).		
I hereby amende	state that I have reviewed and by any amendment referred	nd understand the contents of I to above.	the above identified specification, in	cluding the claims, as
I ackno	wledge the duty to disclose in	nformation that is material to	patentability as defined in 37 C.F.R.	§ 1.56.
invento	r's certificate, or § 365(a) of a	any PCT international applica also identified below any for	(d) or § 365(b) of any foreign applica- tion, which designated at least one co eign application for patent or invento- plication on which priority is claimed	or's certificate, or PCT
Prior Fo	oreign Application(s)			Priority Claimed
				□ Yes □ No
(Applic	eation No.)	(Country)	(Day/Month/Year Filed)	
(Applic	cation No.)	(Country)	(Day/Month/Year Filed)	··· □ Yes □ No
		U.S.C. § 119(e) of any United	States provisional application(s) list	ed below.
60/151	,055	August 27, 1999	<u></u>	
	cation No.)	(Filing Date)		
(Applie	cation No.)	(Filing Date)	<del></del>	
interna this ap paragra C.F.R.	tional application designating plication is not disclosed in the	g the United States, listed belone prior United States or PCT powledge the duty to disclose	tates application(s), or under § 365(c) wand, insofar as the subject matter international application in the manuscript information that is material to patent prior application and the national or	ner provided by the first tability as defined in 37
(Appli	cation No.)	(Filing Date)	(Status - patented, po	ending, abandoned)
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Full name of sole or first inventor	David A. EPSTEIN		
Signature of sole or first inventor			Date
Residence	East Amherst, NY		
Citizenship	USA		
Mailing Address	7 Shady Grove Drive		
	East Amherst, NY 14051		
Full name of second inventor	Paul J. BATTISTA		
Signature of second inventor	Taul I Catherte	1/23/01	Date
Residence	Eggensville, NY		
Citizenship	USA		
Mailing Address	55 Endicott Drive		
	Eggertsville, NY 14226		
Full name of third inventor	Dale F. GRUBER		
Signature of third inventor			Date /
Residence	Grand Island, NY		
Citizenship	USA		
Mailing Address	3175 Staley Road		
	Grand Island, NY 14072		

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Full name of fourth inventor	David A. Judd	
Signature of fourth inventor		Date
Residence	Williamsville, NY	
Citizenship	USA	
Mailing Address	148 Ferndale Road	
	Williamsville, NY 14221	
Full name of fifth inventor		
Signature of fifth inventor		
		Date
Residence		Date
Residence Citizenship		Date
		Date

P-NUSERS/BRIAND/0942/4630001/declaration/63-1 SKGF Rev. 11/8/00 mac (Supply similar information and signature for subsequent joint inventors, if any)



LTI Ref: 214.1 Docket Number: 0942.4630001/RWE/BJD

As a below named inventor, I hereby declare that:

was filed on August 28, 2000;

Ø

My residence, mailing address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter that is claimed and for which a patent is sought on the invention entitled Metal Binding Compounds and Their Use in Cell Culture Medium Compositions, the specification of which is attached hereto unless the following box is checked:

(Applie	cation No.)	(Filing Date)	(Status - patented, pe	ending, abando	ned)
(Applie	cation No.)	(Filing Date)	(Status - patented, pe	ending, abando	ned)
interna this apparagra C.F.R.	tional application designa plication is not disclosed aph of 35 U.S.C. § 112, I	ating the United States, listed below the prior United States or PCT acknowledge the duty to disclose	states application(s), or under § 365(c) tow and, insofar as the subject matter of international application in the manner information that is material to paten the prior application and the national or	of each of the oner provided by tability as defined	the first ned in 37
(Applie	cation No.)	(Filing Date)			
60/151 (Applie	,055 cation No.)	August 27, 1999 (Filing Date)	<u> </u>		
		` •	d States provisional application(s) list	ted below.	
Appli	cation No.)	(Country)	(Day/Month/Year Filed)	□ Yes	□ No
(Applie	cation No.)	(Country)	(Day/Month/Year Filed)	□ Yes	□ No
Prior F	oreign Application(s)			Priority	Claimed
invento United	or's certificate, or § 365(a) States listed below, and h	of any PCT international applic nave also identified below any fo	-(d) or § 365(b) of any foreign application, which designated at least one creign application for patent or inventional plication on which priority is claimed	country other the or's certificate,	nan the
I ackno	owledge the duty to disclo	se information that is material to	patentability as defined in 37 C.F.R.	§ 1.56.	
	y state that I have reviewed by any amendment refe		f the above identified specification, in	ncluding the cl	aims, as
	was amended on	(if applicable	).		



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Full name of sole or first inventor	David A. EPSTEIN	
Signature of sole or first inventor		Date
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	East Amherst, NY 14051	
Full name of second inventor	Paul J. BATTISTA	
Signature of second inventor		Date
Residence	Eggertsville, NY	
Citizenship	USA	
Mailing Address	55 Endicott Drive	
	Eggertsville, NY 14226	
Full name of third inventor	Dale F. GRUBER	
Signature of third inventor	Trukers	January 18, 200, Date
Residence EAST AMHERST	Grand Island, NY	
Citizenship	USA	
Mailing Address 92 CHESHIRE L	-ANE 3175 Staley Road	
EAST AMHERST	T WY Grand Island, NY 14072	14051

LTI Ref: 214.1

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Full name of fourth inventor	David A. Judd	_
Signature of fourth inventor	Dane Da July	Sou, 18, Jay Date
Residence	Williamsville, NY	
Citizenship	USA	
Mailing Address	148 Ferndale Road	
	Williamsville, NY 14221	
Full name of fifth inventor		
Full name of fifth inventor  Signature of fifth inventor		Date
		Date
Signature of fifth inventor		Date
Signature of fifth inventor  Residence  Citizenship		Date

P:\USERS\BRIAND\0942\4630001\declaration463-1 SKGF Rev. 11/8/00 mac (Supply similar information and signature for subsequent joint inventors, if any)



#### POWER OF ATTORNEY FROM ASSIGNEE



Docket Number: 0942.4630001/RWE/BJD

Invitrogen Corporation, a corporation of <u>Delaware</u>, having a principal place of business at <u>1600 Faraday Avenue</u>, <u>Carlsbad, CA 92008</u>, is assignee of the entire right, title and interest for the United States of America (as defined in 35 U.S.C. § 100), by reason of an Assignment to the Assignee executed on <u>Jan 18 and 25, 2001</u> of an invention known as <u>Metal Binding Compounds and Their Use in Cell Culture Medium Compositions</u> (Attorney Docket No. 0942.4630001/RWE/BJD), which is disclosed and claimed in a patent application of the same title by the inventor(s) <u>David A. EPSTEIN, Paul J. BATTISTA, Dale F. GRUBER, and David A. JUDD</u> (said application filed on <u>August 28, 2000</u> at the U.S. Patent and Trademark Office, having Application Number <u>09/650,339</u>).

RUE lyNo. 32,89

The Assignee hereby appoints the following U.S. attorneys to prosecute this application and any continuation, divisional, continuation-in-part, or reissue application thereof, and to transact all business in the U.S. Patent and Trademark Office connected therewith: Robert Greene Sterne, Esq., Reg. No. 28,912; Edward J. Kessler, Esq., Reg. No. 25,688; Jorge A. Goldstein, Esq., Reg. No. 29,021; Samuel L. Fox, Esq., Reg. No. 30,353; David K.S. Cornwell, Esq., Reg. No. 31,944; Robert W. Esmond, Esq., Reg. No. 32,893; Tracy-Gene G. Durkin, Esq., Reg. No. 32,831; Michele A. Cimbala, Esq., Reg. No. 33,851; Michael B. Ray, Esq., Reg. No. 33,997; Robert E. Sokohl, Esq., Reg. No. 36,013; Eric K. Steffe, Esq., Reg. No. 36,688, Michael Q. Lee, Esq., Reg. No. 35,239; Steven R. Ludwig, Esq., Reg. No. 36,203; John M. Covert, Esq., Reg. No. 38,759; and Linda E. Alcorn, Esq., Reg. No. 39,588. The Assignee hereby grants said attorneys the power to insert on this Power of Attorney any further identification that may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office.

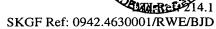
Send correspondence to:

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C. 1100 New York Avenue, N.W. Suite 600 Washington, D.C. 20005-3934 U.S.A.

Direct phone calls to 202-371-2600.

FOR:	Invitrogen Corporation
SIGNATURE:	I alen Hamman
BY:	Alan W. Hammond
TITLE:	Chief Intellectual Property Counsel
DATE:	1/25/2001

### Certificate Under 37 C.F.R. § 3.73(b)



Applica	nt/Patent Owner: David	d A. EPSTEIN, Paul	J. BATTISTA, Dale F. GRUBER, and David A. JUDD
Applica	tion No./Patent No.:	09/650,339	Filed/Issue Date: August 28, 2000
Entitled	: Metal Binding Compo	unds and Their Use in	n Cell Culture Medium Compositions
		rporation	, a Corporation  (Type of Assignee, e.g., corporation, partnership, university, government agency,etc.)
	(Name of Assignee)		(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)
states th	at it is:		
1. [X]	the assignee of the enti-	re right, title, and into	erest, or
2. []	an assignee of an undiv	vided part interest	
in the pa	atent application/patent i	dentified above by v	irtue of either:
A. [X]			patent application/patent identified above. The assignment Office at Reel, Frame, or for which a copy
OR	dicicor is attached.		
B. []	A chain of title from the assignee as shown below		atent application/patent identified above to the current
		was recorded in the	Patent and Trademark Office at, or for which a copy thereof is attached.
	2. From:		
	The document	t was recorded in the	Patent and Trademark Office at, or for which a copy thereof is attached.
	3. From:	То:	
			Patent and Trademark Office at, or for which a copy thereof is attached.
	[ ] Additional docume	nts in the chain of titl	e are listed on a supplemental sheet.
[X] Cop	[NOTE: A separate co document) must be sub	py (i.e., the original a mitted to Assignmen	chain of title are attached. assignment document or a true copy of the original t Division in accordance with 37 CFR Part 3, if ds of the PTO. See MPEP 302-302.8]
The und	dersigned (whose title is	supplied below) is er	mpowered to act on behalf of the assignee.
Date: ✓	1/25/2	001	
Name:	Alan W. Ham		
Title:	Chief Intellec	tual Property Counse	1
Signatu	re: V	Uff &	







LTI Ref: 214.1 SKGF Ref: 0942.4630001/RWE/BJD

DO NOT FORWARD
TO ASSIGNMENT BRANCH
NOT FOR RECORDATION

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventor(s): <u>David A. EPSTEIN</u>, <u>Paul J. BATTISTA</u>, <u>Dale F. GRUBER</u>, and <u>David A. JUDD</u>, the undersigned inventor(s) hereby sell(s) and assign(s) to <u>Invitrogen Corporation</u> (the Assignee) his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages:

check applicable box(es) 

✓ for the United States of America (as defined in 35 U.S.C. § 100),

✓ and throughout the world,

(a) in the invention(s) known as Metal Binding Compounds and Their Use in Cell Culture Medium Compositions for which application(s) for patent in the United States of America has (have) been executed by the undersigned on I am. 18 mm 23, 2001 (also known as United States Application No. 09/650,339, filed August 28, 2000), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

RUE lig No. 32,893

- (b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and
- (c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with the application(s) and any continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventor(s) hereby represent(s) that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventor(s) hereby grant(s) Robert Greene Sterne, Esquire, Registration No. 28,912; Edward J. Kessler, Esquire, Registration No. 25,688; Jorge A. Goldstein, Esquire, Registration No. 29,021; Samuel L. Fox, Esquire, Registration No. 30,353; David K.S. Cornwell, Esquire, Registration No. 31,944; Robert W.

Esmond, Esquire, Registration No. 32,893; Tracy-Gene G. Durkin, Esquire, Registration No. 32,831; Michele A. Cimbala, Esquire, Registration No. 33,851; Michael B. Ray, Esquire, Registration No. 33,997; Robert E. Sokohl, Esquire, Registration No. 36,013; Eric K. Steffe, Esquire, Registration No. 36,688; Michael Q. Lee, Esquire, Registration No. 35,239; Steven R. Ludwig, Esquire, Registration No. 36,203; John M. Covert, Esquire, Registration No. 38,759; and Linda E. Alcorn, Esquire, Registration No. 39,588; all of STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C., 1100 New York Avenue, N.W., Suite 600, Washington, D.C. 20005-3934, power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventor(s) on the date opposite his/her name.

Date:	Signature of Inventor:  David A. EPSTEIN
Date: 🗸	Signature of Inventor: Paul J. BATTISTA
Date: January 18, 2001	(10614)
Date: 15, 5001	Signature of Inventor: David A. JUDD

DO NOT FORWARD
TO ASSIGNMENT BRANCH
NOT FOR RECORDATION

## DO NOT FORWARD TO ASSIGNMENT BRANCH NOT FOR RECORDATION



# DO NOT FORWARD TO ASSIGNMENT BRANCH NOT FOR RECORDATION

LTI Ref: 214.1 SKGF Ref: 0942.4630001/RWE/BJD

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventor(s): <a href="David A. EPSTEIN">David A. EPSTEIN</a>, <a href="Paul J. BATTISTA">Paul J. BATTISTA</a>, <a href="Dale F. GRUBER</a>, and <a href="David A. JUDD">David A. JUDD</a>, the undersigned inventor(s) hereby sell(s) and assign(s) to <a href="Invitrogen Corporation">Invitrogen Corporation</a> (the Assignee) his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages:

check applicable box(es) 
☐ for the United States of America (as defined in 35 U.S.C. § 100),
☐ and throughout the world,

(a) in the invention(s) known as Metal Binding Compounds and Their Use in Cell Culture

Medium Compositions for which application(s) for patent in the United States of America has

(have) been executed by the undersigned on Tourist Tell (18 and 25 2001),

(also known as United States Application No. 09/650,339, filed August 28, 2000), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

RUD Ry No. 22,893

- (b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and
- (c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with the application(s) and any continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventor(s) hereby represent(s) that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventor(s) hereby grant(s) Robert Greene Sterne, Esquire, Registration No. 28,912; Edward J. Kessler, Esquire, Registration No. 25,688; Jorge A. Goldstein, Esquire, Registration No. 29,021; Samuel L. Fox, Esquire, Registration No. 30,353; David K.S. Cornwell, Esquire, Registration No. 31,944; Robert W.

Esmond, Esquire, Registration No. 32,893; Tracy-Gene G. Durkin, Esquire, Registration No. 32,831; Michael A. Cimbala, Esquire, Registration No. 33,851; Michael B. Ray, Esquire, Registration No. 33,997; Robert E. Sokohl, Esquire, Registration No. 36,688; Michael Q. Lee, Esquire, Registration No. 36,688; Michael Q. Lee, Esquire, Registration No. 35,239; Steven R. Ludwig, Esquire, Registration No. 36,203; John M. Covert, Esquire, Registration No. 38,759; and Linda E. Alcorn, Esquire, Registration No. 39,588; all of STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C., 1100 New York Avenue, N.W., Suite 600, Washington, D.C. 20005-3934, power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventor(s) on the date opposite his/her name.

Date:	Signature of Inventor:  David A. EPSTEIN
Date: 1/23/0/	
Date:	Signature of Inventor: Dale F. GRUBER
Date:	Signature of Inventor: David A. JUDD

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In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventor(s): David A. EPSTEIN, Paul J. BATTISTA, Dale F. GRUBER, and David A. JUDD, the undersigned inventor(s) hereby sell(s) and assign(s) to Invitrogen Corporation (the Assignee) his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages:

check applicable box(es) of for the United States of America (as defined in 35 U.S.C. § 100), ■ and throughout the world,

(a) in the invention(s) known as Metal Binding Compounds and Their Use in Cell Culture Medium Compositions for which application(s) for patent in the United States of America has (have) been executed by the undersigned on famerica 23, 2001 and Jan 18, 2001 (also known as United States Application No. 09/650,339, filed August 28, 2000), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

- (b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and
- (c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with the application(s) and any continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventor(s) hereby represent(s) that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventor(s) hereby grant(s) Robert Greene Sterne, Esquire, Registration No. 28,912; Edward J. Kessler, Esquire, Registration No. 25,688; Jorge A. Goldstein, Esquire, Registration No. 29,021; Samuel L. Fox, Esquire, Registration No. 30,353; David K.S. Cornwell, Esquire, Registration No. 31,944; Robert W. Esmond, Esquire, Registration No. 32,893; Tracy-Gene G. Durkin, Esquire, Registration No. 32,831; Michael A. Cimbala, Esquire, Registration No. 33,851; Michael B. Ray, Esquire, Registration No. 33,997; Robert E. Sokohl, Esquire, Registration No. 36,688; Michael Q. Lee, Esquire, Registration No. 36,688; Michael Q. Lee, Esquire, Registration No. 35,239; Steven R. Ludwig, Esquire, Registration No. 36,203; John M. Covert, Esquire, Registration No. 38,759; and Linda E. Alcorn, Esquire, Registration No. 39,588; all of STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C., 1100 New York Avenue, N.W., Suite 600, Washington, D.C. 20005-3934, power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventor(s) on the date opposite his/her name.

Date: / Jeanay 23, 200	Signature of Inventor:	Danie a. Ejoten
/ 0 '		David A. EPSTEIN
Date:	Signature of Inventor:	
•		Paul J. BATTISTA
Date:	Signature of Inventor:	/ ·
•		Dale F. GRUBER
Date:	Signature of Inventor:	
V		David A IIIDD

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NOT FOR RECORDATION